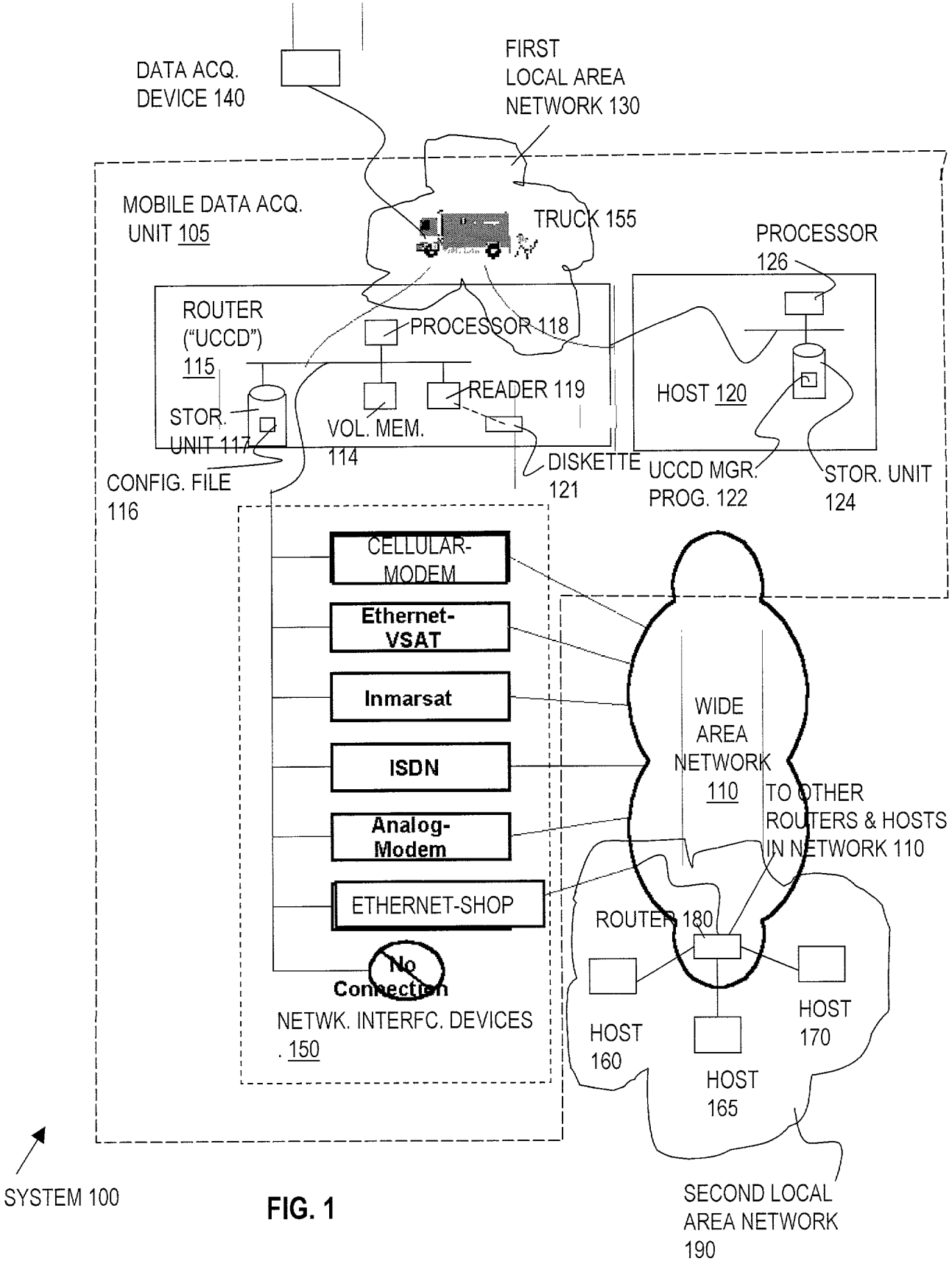

FIG. 1

Attorney Docket No. 59.0040

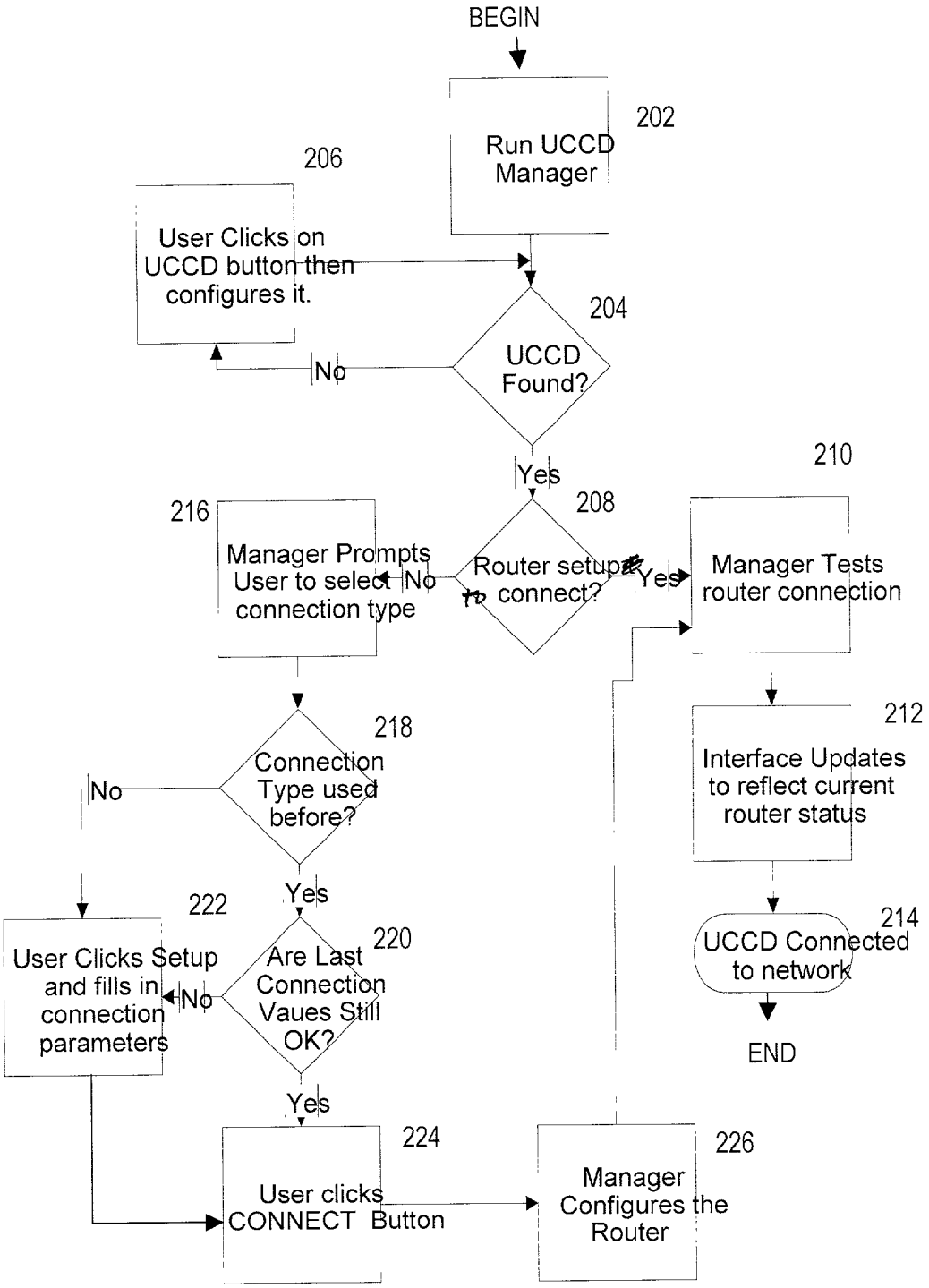
BEGIN
202
Run UCCD Manager
206
User Clicks on UCCD button then configures it.
204
UCCD Found?
No
Yes
210
208
216
Manager Prompts User to select connection type
Router setup to connect?
No
Yes
Manager Tests router connection
212
Interface Updates to reflect current router status
218
Connection Type used before?
No
Yes
222
220
User Clicks Setup and fills in connection parameters
Are Last Connection Vaues Still OK?
No
214
UCCD Connected to network
END
Yes
224
226
User clicks CONNECT Button
Manager Configures the Router

FIG. 2A

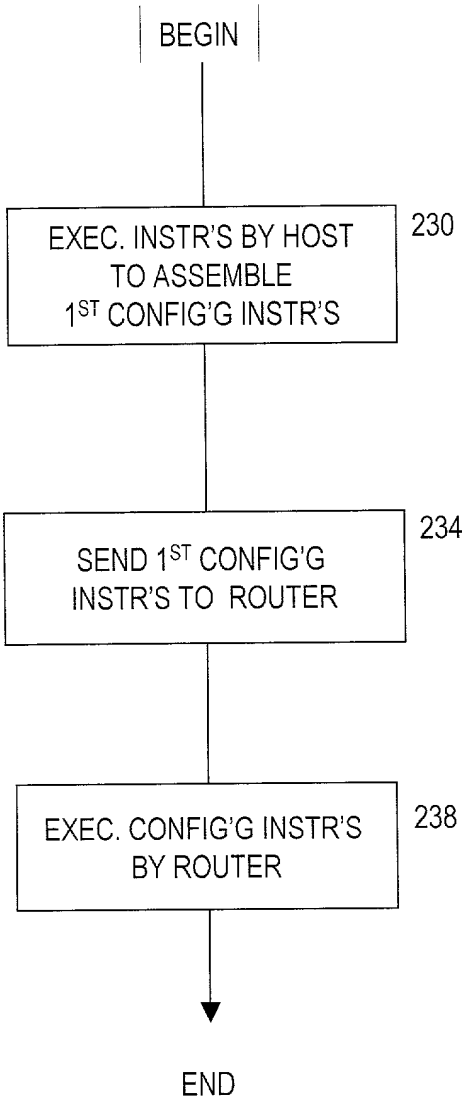

FIG. 2B

09/950,604 - 03/05/04

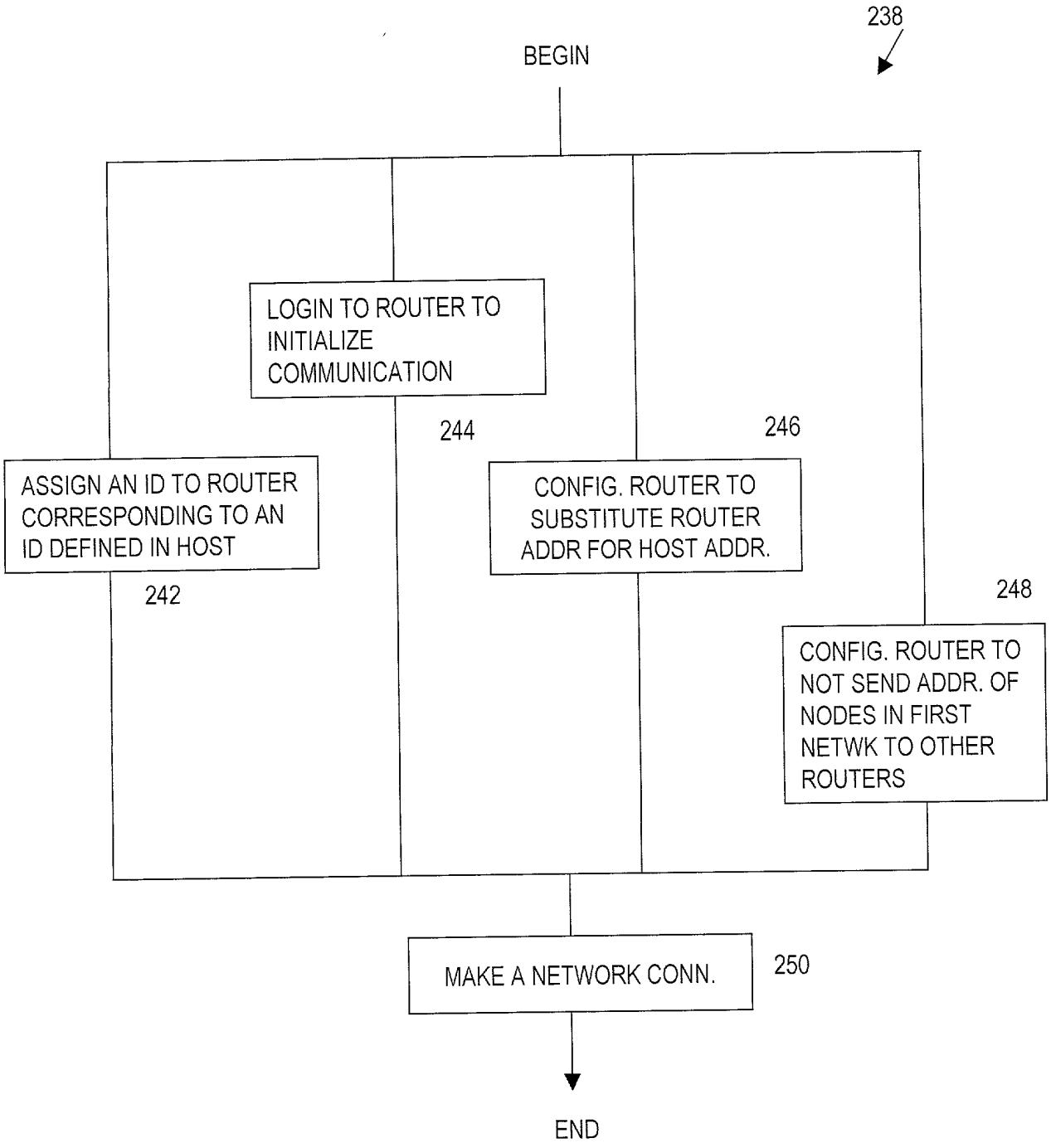
238
BEGIN
LOGIN TO ROUTER TO INITIALIZE COMMUNICATION
244
246
ASSIGN AN ID TO ROUTER CORRESPONDING TO AN ID DEFINED IN HOST
242
CONFIG. ROUTER TO SUBSTITUTE ROUTER ADDR FOR HOST ADDR.
248
CONFIG. ROUTER TO NOT SEND ADDR. OF NODES IN FIRST NETWK TO OTHER ROUTERS
MAKE A NETWORK CONN.
250
END

FIG. 2C

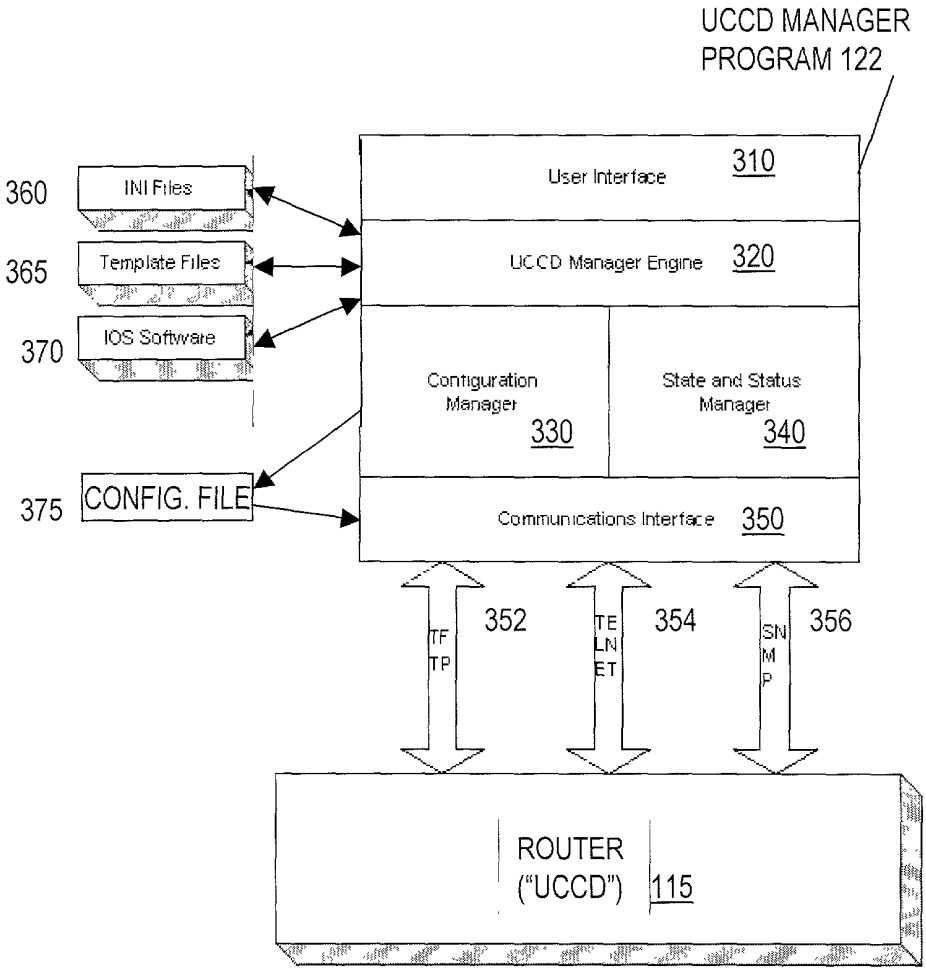
UCCD MANAGER
PROGRAM 122
User Interface
310
UCCD Manager Engine
320
Configuration
Manager
330
State and Status
Manager
340
Communications Interface
350
360
INI Files
365
Template Files
370
IOS Software
375
CONFIG. FILE
TF
TP
352
TE
LN
ET
354
SN
M
P
356
ROUTER
("UCCD")
115

FIG. 3

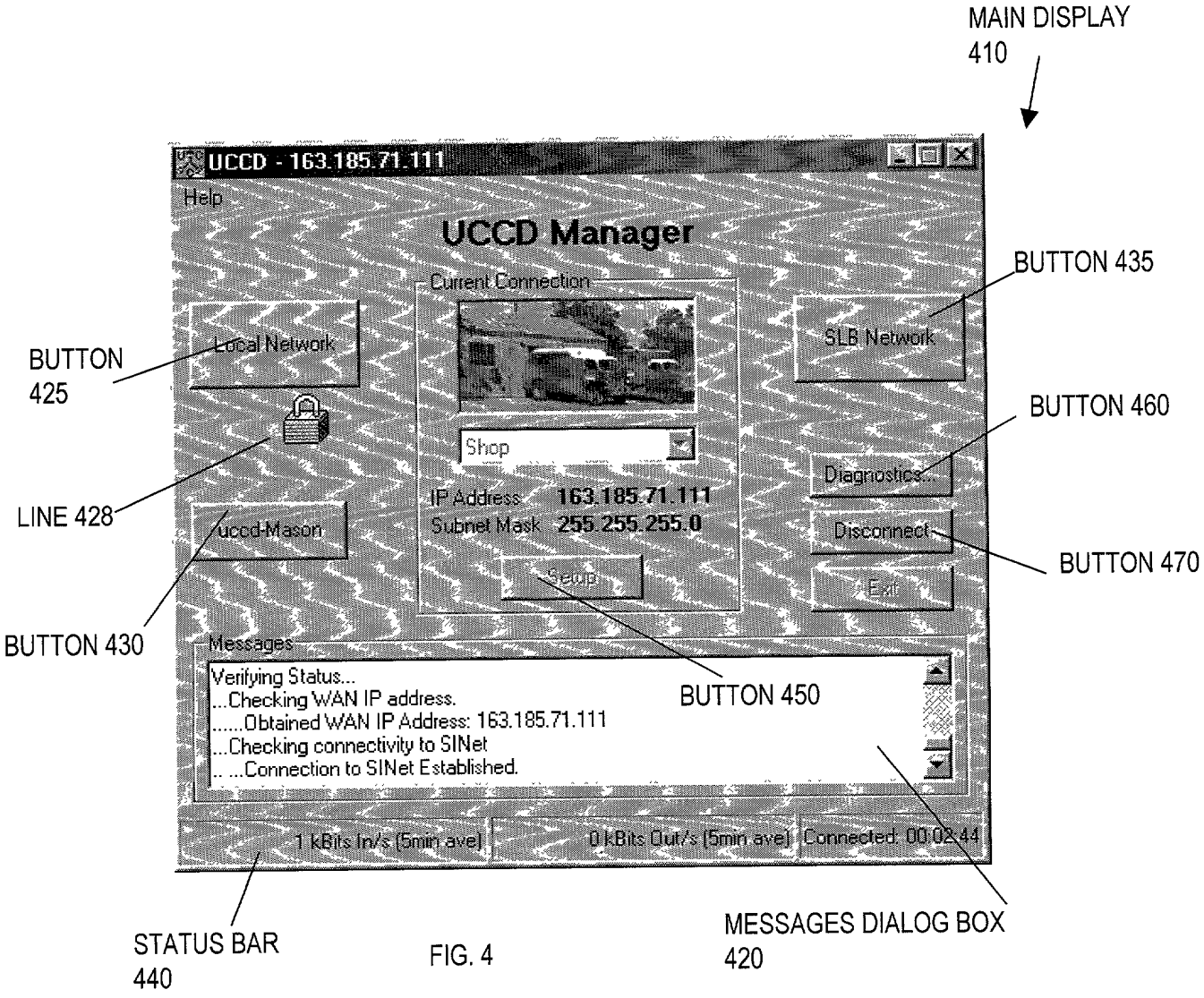

FIG. 4

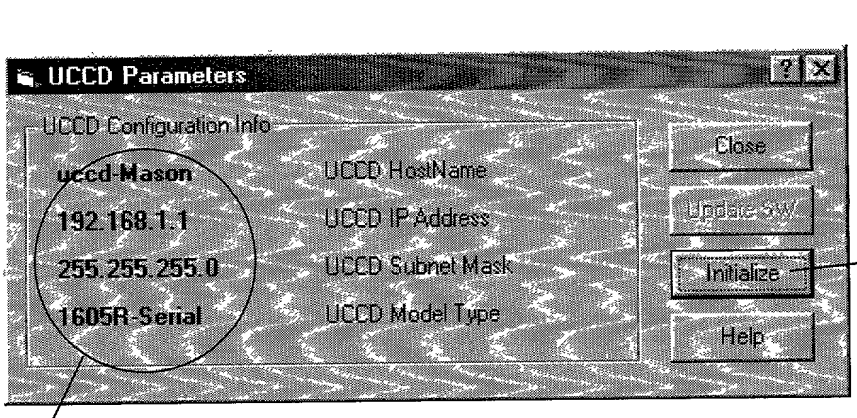

FIG. 5

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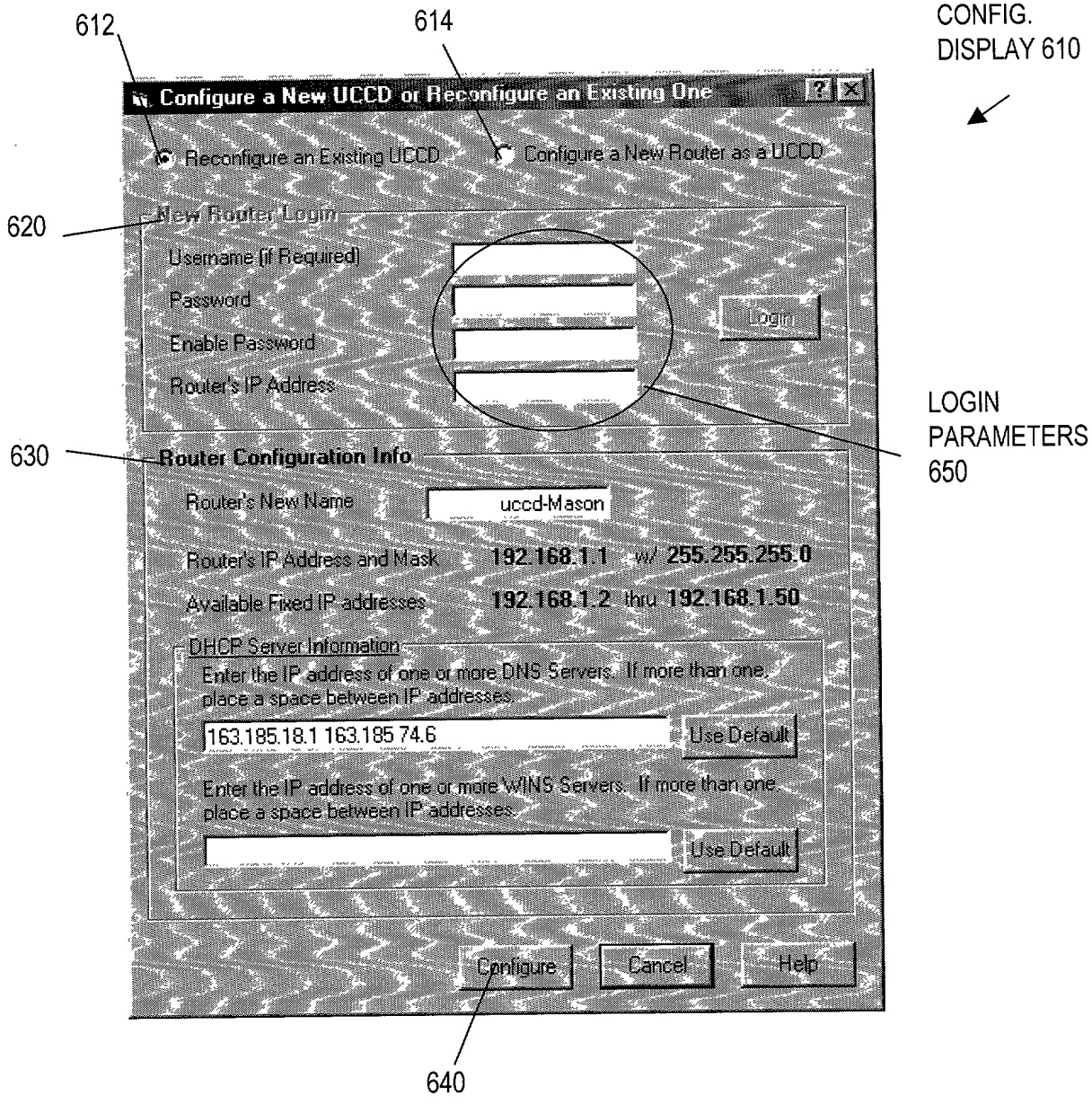
612
614
CONFIG. DISPLAY 610
Configure a New UCCD or Reconfigure an Existing One
Reconfigure an Existing UCCD
Configure a New Router as a UCCD
620
New Router Login
Username [if Required]
Password
Enable Password
Router's IP Address
Login
LOGIN PARAMETERS 650
630
Router Configuration Info
Router's New Name
uccd-Mason
Router's IP Address and Mask
192.168.1.1 w/ 255.255.255.0
Available Fixed IP addresses
192.168.1.2 thru 192.168.1.50
DHCP Server Information
Enter the IP address of one or more DNS Servers. If more than one, place a space between IP addresses.
163.185.18.1 163.185.74.6
Use Default
Enter the IP address of one or more WINS Servers. If more than one, place a space between IP addresses.
Use Default
Configure
Cancel
Help
640

FIG. 6

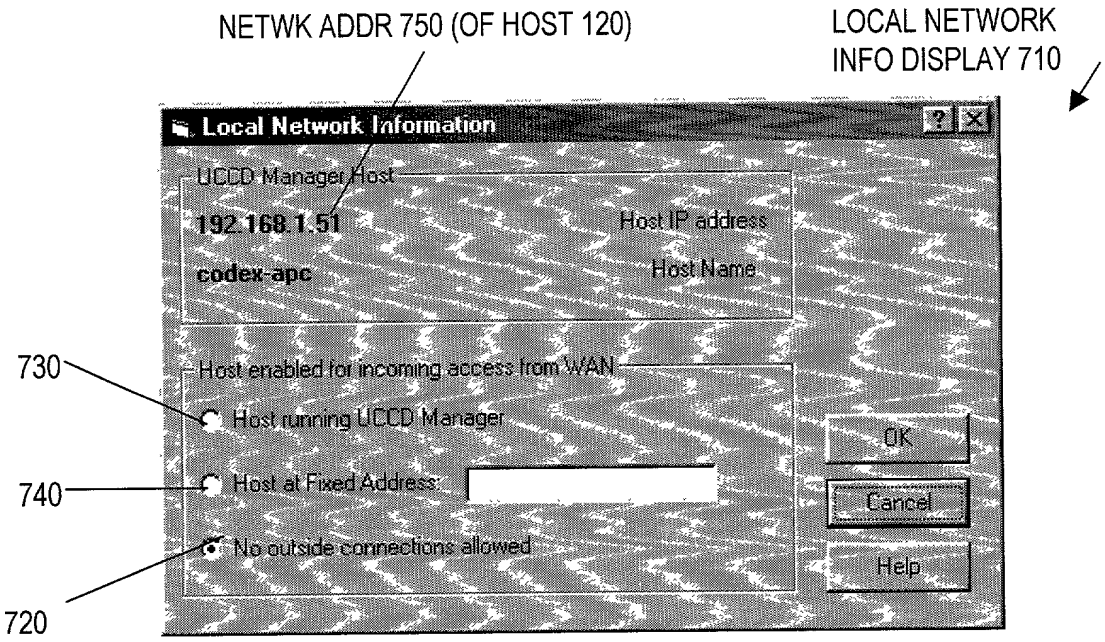

FIG. 7

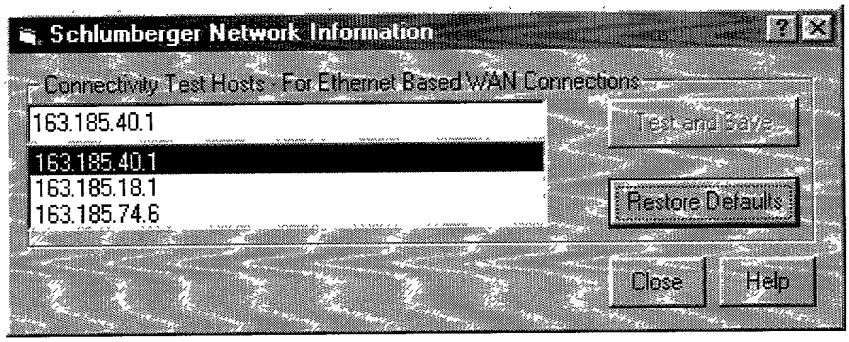

FIG. 8

FC5460 "2005/05/19

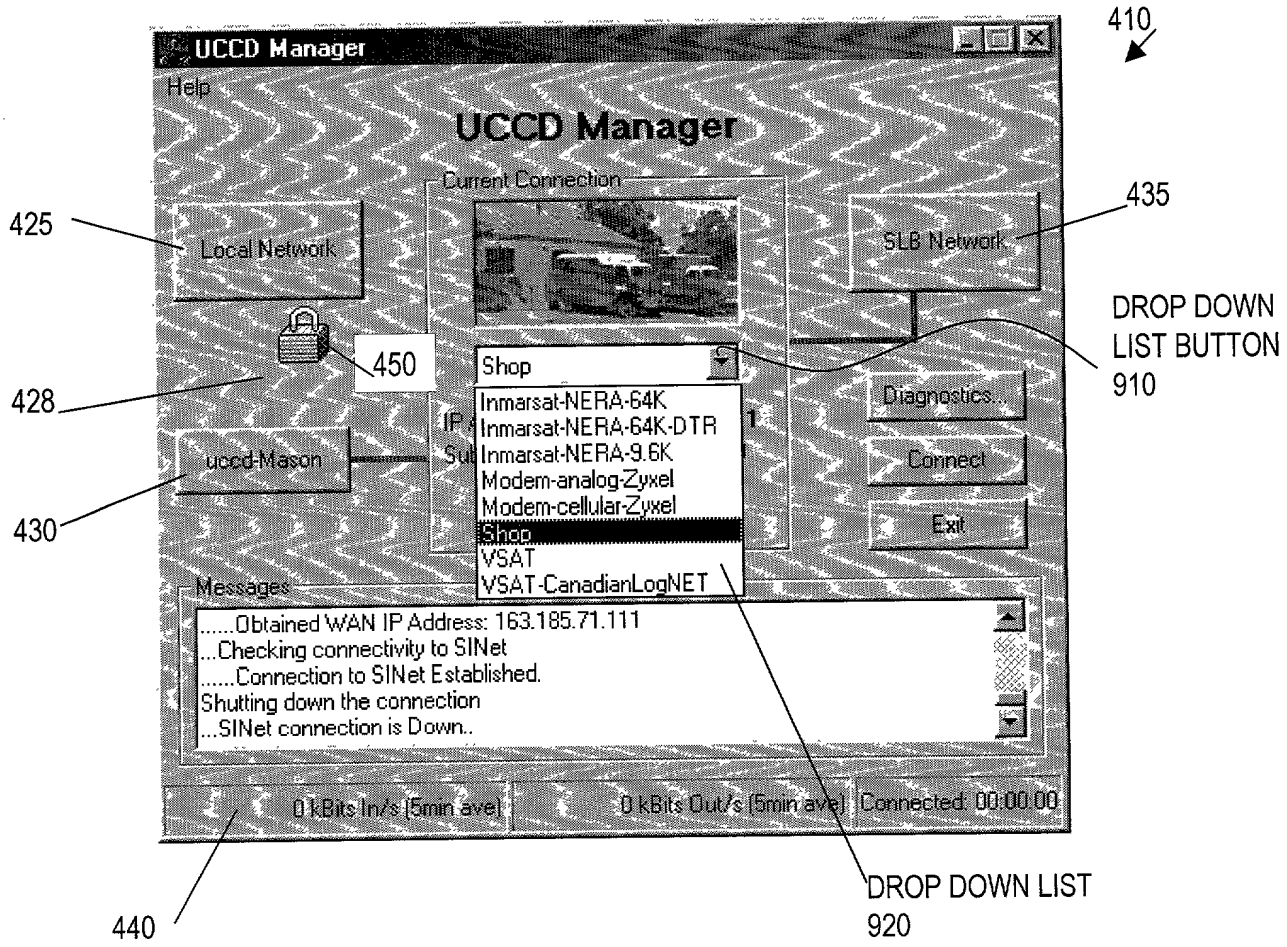
410
UCCD Manager
Help
UCCD Manager
Current Connection
425
Local Network
SLB Network
435
DROP DOWN
LIST BUTTON
910
450
428
Shop
Inmarsat-NERA-64K
Inmarsat-NERA-64K-DTR
Inmarsat-NERA-9.6K
Modem-analog-Zyxel
Modem-cellular-Zyxel
Shop
VSAT
VSAT-CanadianLogNET
Diagnostics...
Connect
Exit
ucod-Mason
430
Messages
.....Obtained WAN IP Address: 163.185.71.111
...Checking connectivity to SINet
.....Connection to SINet Established.
Shutting down the connection
...SINet connection is Down..
0 kBits In/s (5min ave)
0 kBits Out/s (5min ave)
Connected: 00:00:00
440
DROP DOWN LIST
920

FIG. 9

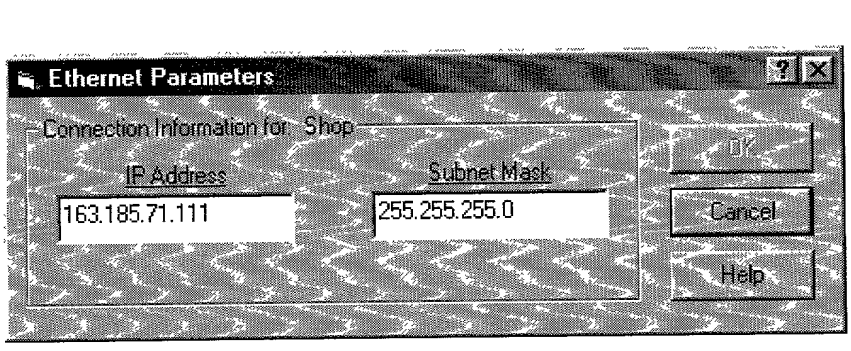
1010
Ethernet Parameters
Connection Information for: Shop
IP Address
163.185.71.111
Subnet Mask
255.255.255.0
OK
Cancel
Help

FIG. 10

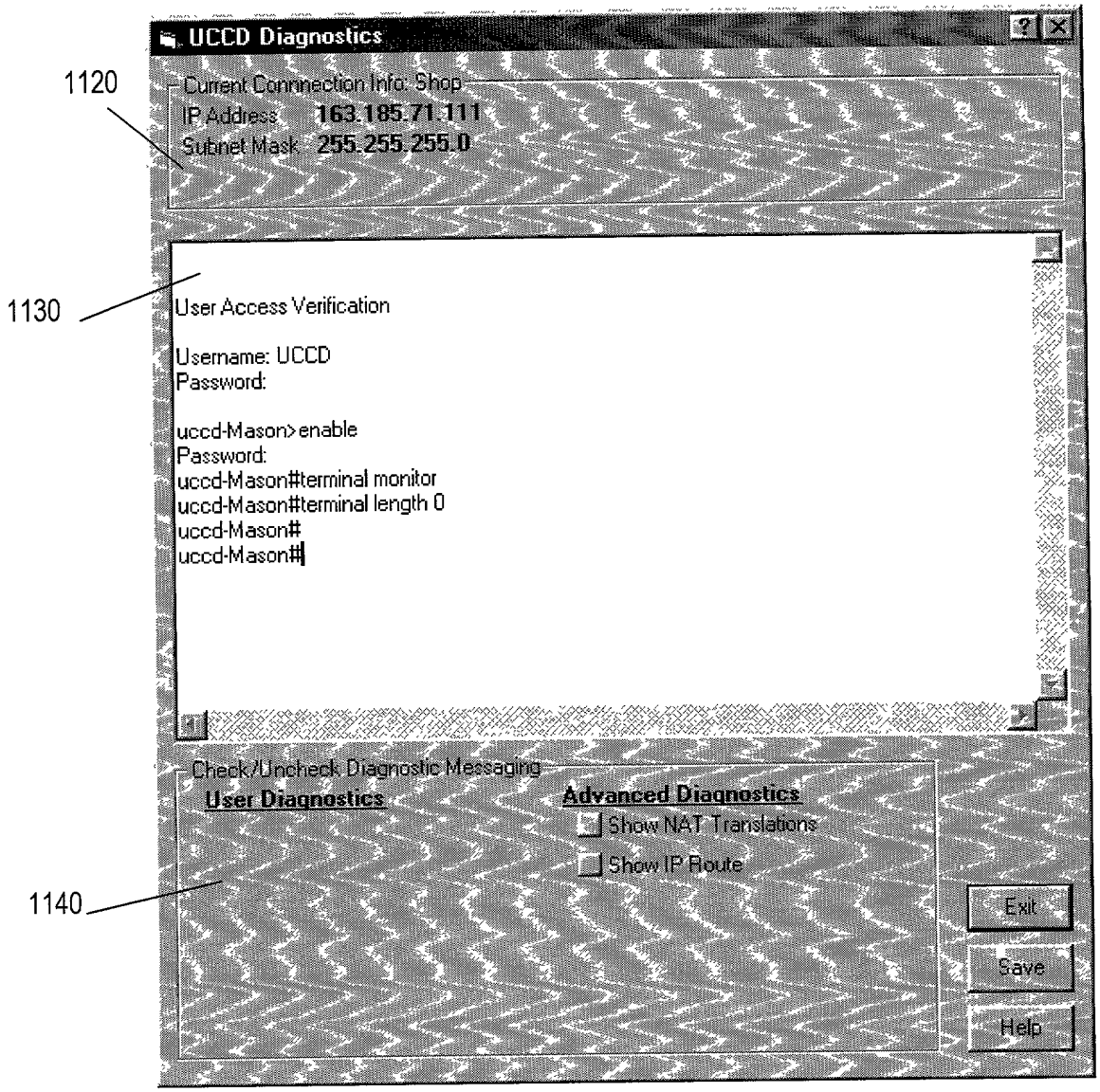
UCCD Diagnostics
1110
1120
Current Connection Info: Shop
IP Address 163.185.71.111
Subnet Mask 255.255.255.0
1130
User Access Verification
Username: UCCD
Password:
uccd-Mason>enable
Password:
uccd-Mason#terminal monitor
uccd-Mason#terminal length 0
uccd-Mason#
uccd-Mason#
Check/Uncheck Diagnostic Messaging
User Diagnostics
Advanced Diagnostics
Show NAT Translations
Show IP Route
1140
Exit
Save
Help

FIG. 11

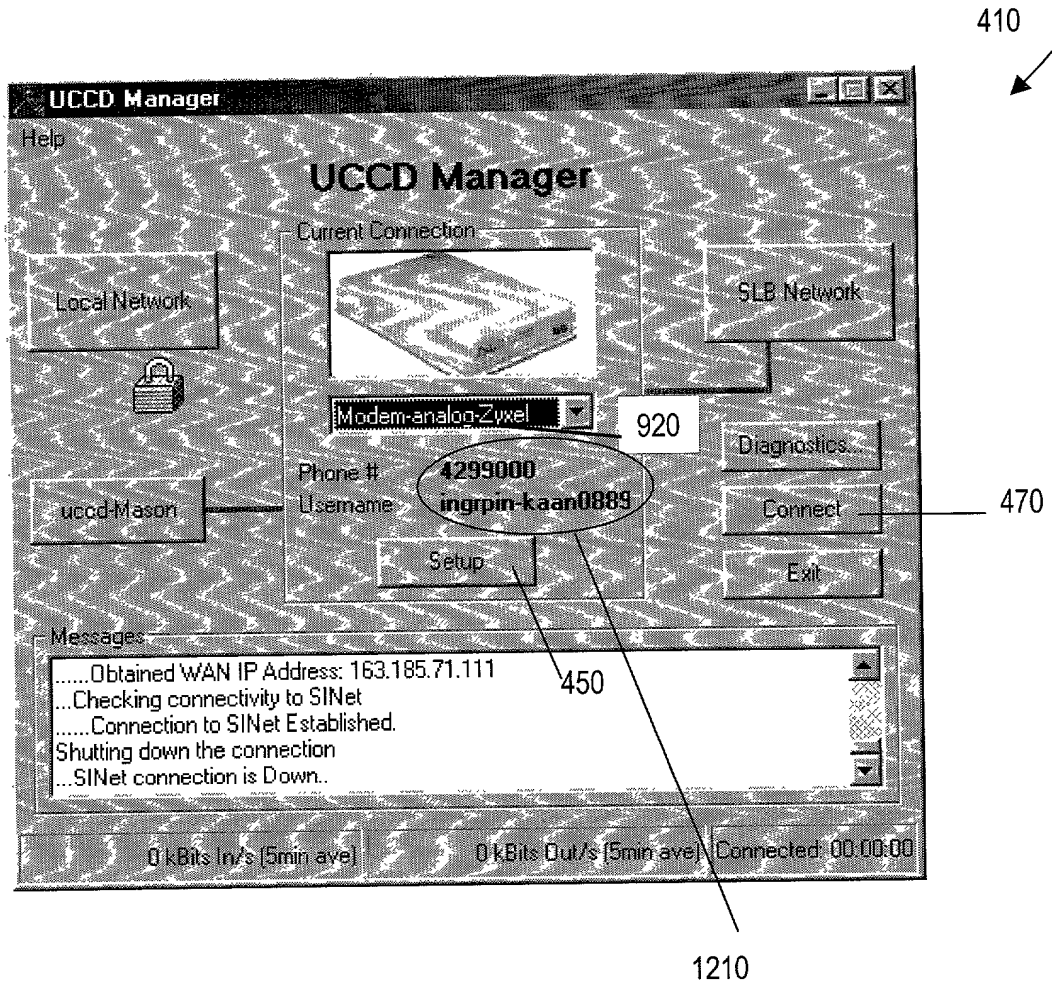
410
UCCD Manager
Help
UCCD Manager
Current Connection
Local Network
SLB Network
Modem-analog-Zyxel
920
Diagnostics...
Phone #
4299000
ingrpin-kaan0889
uccd-Mason
Username
Connect
470
Setup
Exit
Messages
.....Obtained WAN IP Address: 163.185.71.111
...Checking connectivity to SINet
.....Connection to SINet Established.
Shutting down the connection
...SINet connection is Down..
450
0 kBits In/s (5min ave)
0 kBits Out/s (5min ave)
Connected: 00:00:00
1210

FIG. 12

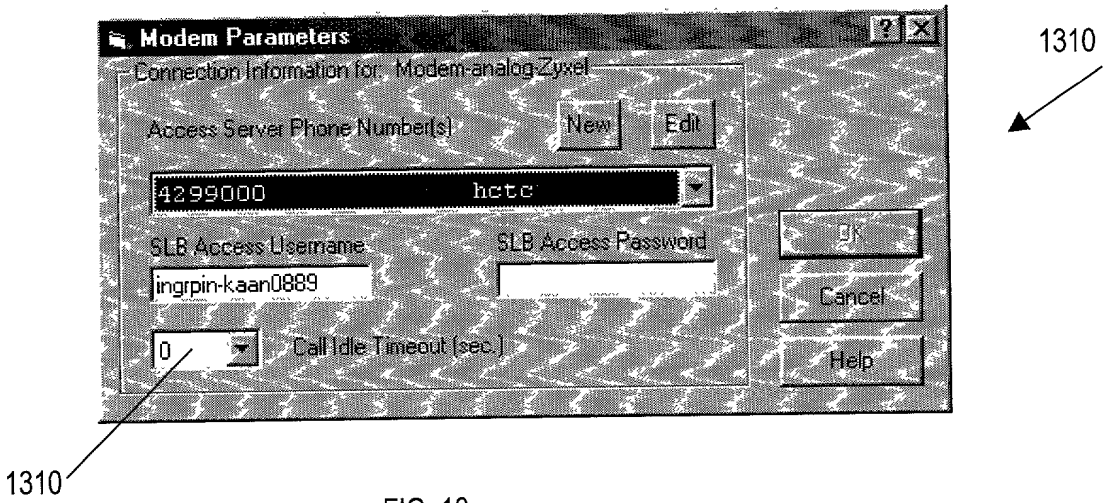
Modem Parameters
Connection Information for: Modem-analog-Zyxel
Access Server Phone Number(s)
New
Edit
4299000 hctc
SLB Access Username
SLB Access Password
ingrpin-kaan0889
OK
Cancel
0
Call Idle Timeout (sec.)
Help
1310
1310

FIG. 13

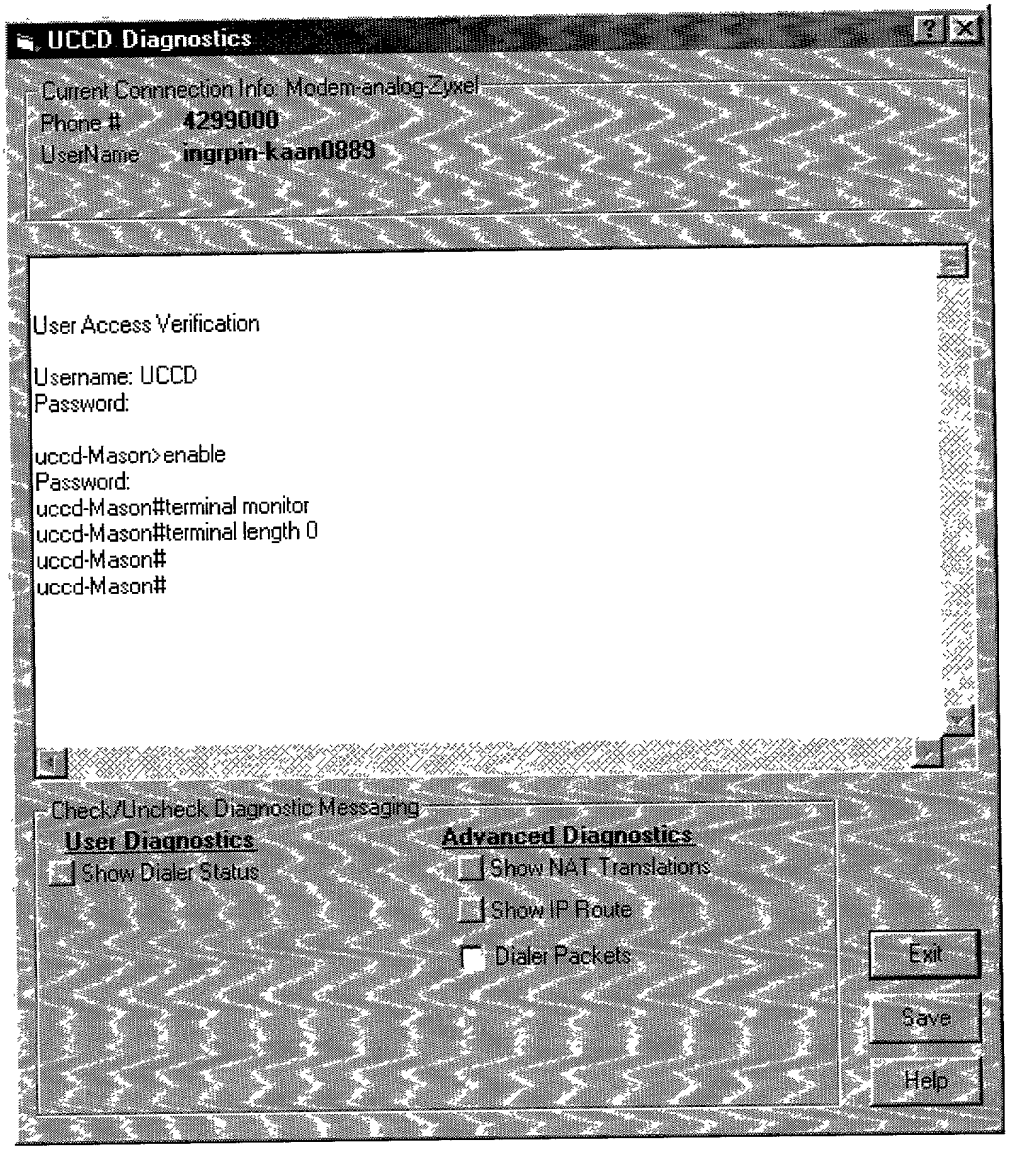
UCCD Diagnostics
Current Connection Info: Modem-analog-Zyxel
Phone # 4299000
UserName ingrpin-kaan0889
User Access Verification
Username: UCCD
Password:
uccd-Mason>enable
Password:
uccd-Mason#terminal monitor
uccd-Mason#terminal length 0
uccd-Mason#
uccd-Mason#
Check/Uncheck Diagnostic Messaging
User Diagnostics
Show Dialer Status
Advanced Diagnostics
Show NAT Translations
Show IP Route
Dialer Packets
Exit
Save
Help
1110

FIG. 14